

ENGLISH

01001 English 9

This class deals with the elements of a short story and novel. The basics of grammar, mechanics and usage are practiced daily and at other times through daily warm-ups, essays, journals, and quizzes. There are opportunities for basic speaking experiences, reading development, and research projects. Students will be analyzing all four elements of fiction with an emphasis on themes and characters.

01002 English 10

This class explores selected classical prose and poetry in depth. Works are examined by theme, and time is spent learning to discuss a theme, giving examples from the literature read. . Formal vocabulary study continues all year. Writing occurs throughout, including character analysis, but takes many different forms: expository, creative and reflective.

01003 English 11

We will read novels throughout the term and throughout the year, a handful of poets are studied, along with short stories and excerpts from longer works. Writing assignments and vocabulary are related to the works being studied.

01004 English 12

This course focuses on poetry, short stories, novels and works of nonfiction. Two books are read each term, some assigned, some the students choice as long as they are appropriate for the students reading level. In addition, students will engage in a variety of interrelated language arts activities to become better listeners, presenters, readers, speakers, viewers and writers.

01104 Creative Writing

Creative Writing courses offer students the opportunity to develop and improve their technique and individual style in poetry, short story, drama, essays, and other forms of prose. The emphasis of the courses is on writing; however, students may study exemplary representations and authors to obtain a fuller appreciation of the form and craft.

SOCIAL STUDIES

04052 World History

World History/Geography is an overview of major eras of world history. Major units to be covered include: Early 20th Century Revolutions, I) World War I, The Holocaust and World War II, & The Origin and End of the Cold War.

04101 US History

American History will start with a review of the Civil War and its significance. The focus of this course, however, will concentrate on Reconstruction to the present. The themes will include reform movements, values, economics, technology, environment, geography, diversity, American culture, American democracy, the United States and the world.

04151 Government

Topics to be covered include core democratic values, the Constitution and its amendments, origins of American government, foundations of democracy, importance of laws, the three branches of the federal government, government systems, the election and voting process, and the formation of political parties. Guest speakers may be invited to address the class and interact with our studies.

04201 Economics

Economic principles and applications will stimulate students to learn about the world of economics and how it affects their own lives. A hands-on application involving the stock market is a favorite part of this course for many.

04106 Contemporary U.S. Issues

Contemporary U.S. Issues courses study the political, economic, and social issues facing the United States, with or without an emphasis on state and local issues. These courses may focus on current issues or may examine selected issues that span throughout the 20th century to the present.

SCIENCE

03051 Biology

Biology is a course in laboratory science where students investigate the living world around them using field study and laboratory techniques. Students study the diversity, complexity and interconnectedness of living systems. Topics addressed are cell physiology, organ systems, disease-causing organisms, genetics, evolution, characteristics and classification of life forms.

03101 Chemistry

This course focuses on the fundamental principles of chemistry and their application. Chemical nomenclature, atomic structure, bonding theories, periodic properties, solution calculations, gas laws and the properties of solids and liquids are among the topics discussed.

03151 Physics

In physics both matter and energy are studied to see their relationship. This involves using formulas for kinematics, dynamics and mechanics. The study of energy transformations, electricity and thermodynamics will also be examined.

03058 Botany

Botany courses provide students with an understanding of plants, their life cycles, and their evolutionary relationships.

03053 Anatomy

Anatomy courses present an in-depth study of the human body and biological system. Students study such topics as anatomical terminology, cells, and tissues and typically explore functional systems such as skeletal, muscular, circulatory, respiratory, digestive, reproductive, and nervous systems.

03061 Zoology

Zoology courses provide students with an understanding of animals, the niche they occupy in their environment or habitat, their life cycles, and their evolutionary relationships to other organisms.

03003 Environmental Science

Environmental Science courses examine the mutual relationships between organisms and their environment. In studying the interrelationships among plants, animals, and humans, these courses usually cover the following subjects: photosynthesis, recycling and regeneration, ecosystems, population and growth studies, pollution, and conservation of natural resources.

MATH

02051 Pre-Algebra

Pre-Algebra courses increase students' foundational math skills and prepare them for Algebra I by covering a variety of topics, such as properties of rational numbers (i.e., number theory), ratio, proportion, estimation, exponents and radicals, the rectangular coordinate system, sets and logic, formulas, and solving first-degree equations and inequalities.

02061 Algebra I/Int Math 1

Algebra I courses include the study of properties and operations of the real number system; evaluating rational algebraic expressions; solving and graphing first degree equations and inequalities; translating word problems into equations; operations with and factoring of polynomials; and solving simple quadratic equations.

02063 Algebra II/Int Math 3

Algebra II course topics typically include field properties and theorems; set theory; operations with rational and irrational expressions; factoring of rational expressions; in-depth study of linear equations and inequalities; quadratic equations; solving systems of linear and quadratic equations; graphing of constant, linear, and quadratic equations; properties of higher degree equations; and operations with rational and irrational exponents.

02062 Geometry/Int Math 2

Geometry courses, emphasizing an abstract, formal approach to the study of geometry, typically include topics such as properties of plane and solid figures; deductive methods of reasoning and use of logic; geometry as an axiomatic system including the study of postulates, theorems, and formal proofs; concepts of congruence, similarity, parallelism, perpendicularity, and proportion; and rules of angle measurement in triangles.

02154 Business Math

Business Math courses reinforce general math skills, emphasize speed and accuracy in computations, and use these skills in a variety of business applications. Business Math courses reinforce general math topics (e.g., arithmetic, measurement, statistics, ratio and proportion, exponents, formulas, and simple equations) by applying these skills to business problems and situations; applications might include wages, hourly rates, payroll deductions, sales, receipts, accounts payable and receivable, financial reports, discounts, and interest.

PHYSICAL EDUCATION/HEALTH

08001 Physical Education

Physical Education courses provide students with knowledge, experience, and an opportunity to develop skills in more than one of the following sports or activities: team sports, individual/dual sports, recreational sports, and fitness/conditioning activities.

08051 Health

Topics covered within Health Education courses may vary widely, but typically include personal health (nutrition, mental health and stress management, drug/alcohol abuse prevention, disease prevention, and first aid) and consumer health issues. The courses may also include brief studies of environmental health, personal development, and/or community resources.

ELECTIVE/MISC

10001 Computers/Graphics

In Computer Applications courses, students acquire knowledge of and experience in the proper and efficient use of previously written software packages. These courses explore a wide range of applications, including (but not limited to) word-processing, spreadsheet, graphics, and database programs, and they may also cover the use of electronic mail and desktop publishing.

22151 Career Exploration

Career Exploration courses help students identify and evaluate personal goals, priorities, aptitudes, and interests with the goal of helping them make informed decisions about their careers. These courses expose students to various sources of information on career and training options and may also assist them in developing job search and employability skills.

22201 Family and Consumer Science

Family and Consumer Science—Comprehensive courses are inclusive studies of the knowledge and skills that are useful for the efficient and productive management of the home. Course topics typically include foods and nutrition; clothing; child development and care; housing design, decoration, and maintenance; consumer decisions and personal financial management; and interpersonal relationships.

22209 Success

This class is focused on the individual's personal development. The courses emphasizes strengthening self-esteem, recognizing and resisting negative peer pressure, and developing coping skills for dealing with changes within one's self and within others.

22102 Transitions

School Orientation courses provide students with an introduction to the culture of their school so that they understand staff expectations and the school's structure and conventions. These courses may vary widely according to the philosophy, aims, and methods of each school.